

**IN THE CLAIMS:**

Amend the claims as follows.

Claims 1-8. (Canceled)

9. (New) A method of treating multiple sclerosis (MS) comprising administering treosulphan and/or derivatives thereof to a person in need of such treatment.

10. (New) The method of claim 9, wherein said MS is a relapsing-remitting, primary progressive or secondary progressive MS.

11. (New) The method of claim 9, wherein said derivatives thereof are selected from the group consisting of bussulphan, dimethyl busulphan, pentasulphan or hepsulphan.

12. (New) The method of claim 9, wherein said treosulphan or derivatives thereof are administered in the amount of 1 to 10 grams of treosulphan and/or treosulphan derivative per m<sup>2</sup> of body surface.

13. (New) The method of claim 12, wherein said treosulphan or derivatives thereof are administered in the amount of 3 to 9 grams per m<sup>2</sup> of body surface.

14. (New) The method of claim 12, wherein said treosulphan or derivatives thereof are administered in the amount of 5 to 8 grams per m<sup>2</sup> of body surface.

15. (New) The method of claim 9, wherein said method further comprises administration of at least one amino immunomodulatory effective substance.

16. (New) The method of claim 15, wherein said immunomodulatory effective substance is interferon- and/or glatiramer acetate.

17. (New) The method according to claim 9, wherein said administering comprises administration of infusion solution or an oral formulation.